



CHEOPS® ACOUSTIC PYRAMID PANELS

Cheops® Pyramids sound absorber is an attractive convoluted acoustic panel that provides a greater surface and absorptive area than flat surfaces to reduce reflected noise in a room by trapping and absorbing sound energy from all angles.

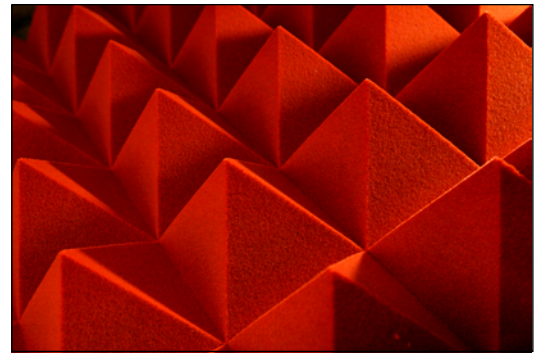
Unlike many other acoustic materials, Cheops® Acoustic Pyramid panels provide excellent acoustic control across all frequencies with Noise Reduction Coefficients ranging from 0.8 to 1.05.

Cheops® Acoustic Pyramid is available in charcoal grey colour as standard with 12 optional colours. Acoustica® also offers a custom colour service to meet individual requirements.

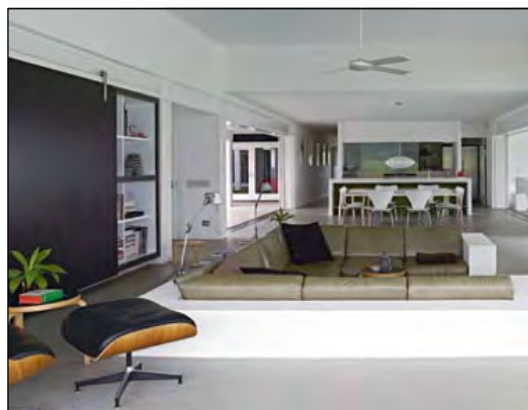
Typical applications include broadcast and recording studios, call centres, community facilities and machinery enclosures

Cheops® Pyramids are supplied in panels 600 mm x 600 mm and thickness of 50mm, 75 mm, 100 mm or 150 mm.

For architectural applications the panels are adhered to walls and ceilings to provide a continuous and seamless pattern or can be hung as a baffle.



Example application of Cheops® Pyramids



*Award winning house wall unit doors, before and after
Ideal for large open spaces to reduce the echo*

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Australia

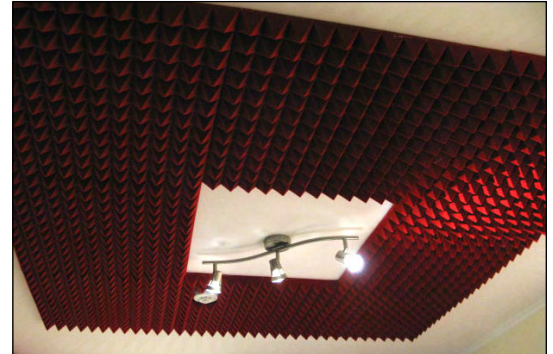
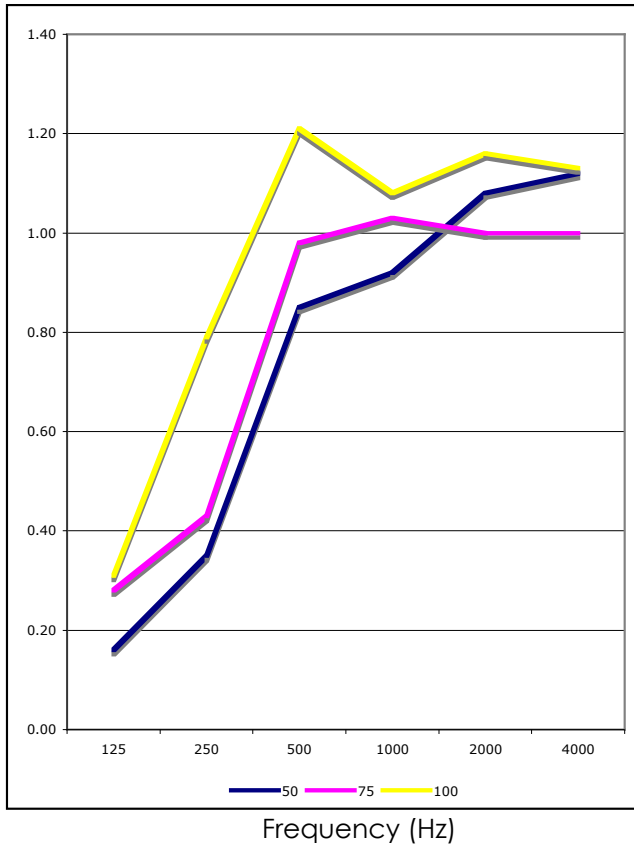
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CHEOPS® Pyramids

Sound Absorber

Noise absorption level α_s for Acoustica® Cheops® Pyramids. Measured according to DIN EN 20 354, Technical University of Cologne, Germany.



Ceiling application of Cheops

Cheops® Colours	
	Osiris Black
	Phra Brown
	Sphynx Burgundy
	Horus Blue
	Scarab Green
	Tutankhamen Blue
	Isis Grey
	Sebek Purple
	Neith Red
	Nile Blue
	Nefertiti Off-White
	Papyrus Yellow
	Hathor orange

Freq	125	250	500	1K	2K	4K	NRC
α_s	0.16	0.35	0.85	0.92	1.08	1.12	0.75
α_s	0.28	0.43	0.98	1.03	1.00	1.00	0.86
α_s	0.31	0.79	1.21	1.08	1.16	1.13	1.05

Cheops® Pyramids are fire-rated to international and Australian standards. Tested to AS 1530.3, Cheops® has the following results:

- Flammability = 10
- Spread of Flame = 0
- Heat Evolved = 1
- Smoke Developed = 4

F.A.R. 25.853/App. F/Part 1

Vertical burn test for aircraft components = PASS

FMVSS302 & SAE T2002

Flammability test for automotive components. The horizontal flame spread rate is measured = PASS

UL94 - Horizontal flame spread test on foam piece as manufactured and after heat ageing = PASS

Pyramid Height	Pyramid Base	Total Surface Size	Tile Size
50	50	0.72m ²	600 x 600
75	100	0.54m ²	600 x 600
100	100	0.78m ²	600 x 600